

RAA



sector \$

DOCKET NO.: CE08239R

UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT(S): Frank, Colin D. et al.

APPLICATION NO.: 09/933,365

FILED: 08/20/01

GROUP ART UNIT: 2631

TITLE: Linear Minimum Mean Square Error Equalization With Interference Cancellation For Mobile Communication Forward Links Utilizing Orthogonal Codes Covered By Long Pseudorandom Spreading Codes

Certificate of Mailing

Date of deposit: Oct. 2, 2001

I hereby certify that this paper is being deposited with the United States Postal Service on the date indicated above, as first-class mail, with sufficient postage attached thereto, in an envelope addressed to the Assistant Commissioner for Patents, Washington, D.C.

Tanya Scheuer  
Signature of Person Mailing Paper

Tanya Scheuer  
Printed Name of Person Mailing Paper

Assistant Commissioner for Patents  
Washington, D.C. 20231

Attention: Customer Service Center  
Initial Patent Examination Division

RESPONSE TO NOTICE TO FILE MISSING PARTS OF APPLICATION

Sir:

Responsive to the Notice to File Missing Parts of Application dated 09/21/01, please find enclosed:

- ☒ 4 pages Declaration Combined with Power of Attorney
- ☒ 1 page copy of Notice to File Missing Parts of Application
- ☒ 4 Pages Assignment and Agreement
- ☒ 1 Page Recordation Transmittal Sheet

The Commissioner is hereby authorized to charge all fees due to Account No. 13-4772. A fee transmittal is enclosed.

Respectfully submitted,

SEND CORRESPONDENCE TO:

CUSTOMER NUMBER 22917

By: Lalita P. Williams  
LALITA P. WILLIAMS  
Attorney of Record  
Reg. No.: 39,427  
Telephone: 847-538-5855  
Fax No.: 847-576-3750



# TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

<b>TRANSMITTAL FORM</b> (to be used for all correspondence after initial filing)	Application Number	09/933,365
	Filing Date	08/20/01
	First Named Inventor	Frank, Colin D. et al.
	Group Art Unit	2631
	Examiner Name	Unknown
Total Number of Pages in this Submission	Attorney Docket Number	CE08239R

## ENCLOSURES

(check all that apply)

<input checked="" type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/Declaration(s) <input type="checkbox"/> Extension of time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Documents <input checked="" type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Response to Missing Parts Under 37 CFR 1.52 or 1.53	<input checked="" type="checkbox"/> Assignment Papers (for an Application) <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-Related papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation, Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CDs	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group {Appeal Notice, Brief, Reply Brief} <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter with appropriate copies <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below) <input checked="" type="checkbox"/> pages Declaration Combined with Power of Attorney <input type="checkbox"/> sheet(s) formal drawings <input checked="" type="checkbox"/> copy of Notice to File Missing Parts of Application
Remarks		

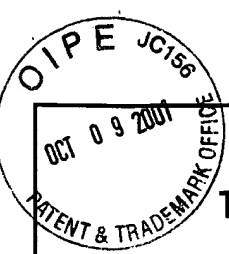
## SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual	Lalita P. Williams	Registration No.	39,427
Signature	<i>Lalita P. Williams</i>		
Date	October 2, 2001		

## CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage thereon, as first-class mail, in an envelope addressed to: Commissioner for Patents, Washington, DC 20231 on the date listed below:

Typed or printed name	Tanya Scheuer		
Signature	<i>Tanya Scheuer</i>		Date
			Oct 2, 2001



**FEE TRANSMITTAL**

Patent fees are subject to annual revision

**Complete if Known**

Application Number	09/933,365
Filing Date	08/20/01
First Named Inventor	Frank, Colin D. et al.
Examiner Name	Unknown
Group Art Unit	2631
Attorney Docket No.	CE08239R

TOTAL AMOUNT OF PAYMENT (\$)**170.00**

**METHOD OF PAYMENT**

1. ☒ The Commissioner is hereby authorized to charge indicated fees and credit any overpayment to:

Deposit Account Number **13-4772**

Deposit Account Name **Motorola, Inc.**

☒ Charge Any Additional Fee required under 37 CFR 1.16 and 1.17

☐ Applicant claims small entity status. See 37 CFR 1.27

2. ☐ Payment Enclosed:

☐ Check ☐ Credit Card ☐ Money Order ☐ Other

**FEE CALCULATION**

**1. BASIC FILING FEE**

Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description	Fee Paid
101	740	201	370	Utility filing fee	
106	330	206	165	Design filing fee	
107	510	207	255	Plant filing fee	
108	740	208	370	Reissue filing fee	
114	160	214	80	Provisional filing fee	

SUBTOTAL (1) (\$)**0.00**

**2. EXTRA CLAIM FEES**

Previously Paid\*\* = 20

Extra Claims = 3

Fee from below = 18

Fee Paid = 84

Multiple Dependent **280** =

Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description
103	18	203	9	Claims in excess of 20
102	84	202	42	Independent claims in excess of 3
104	280	204	140	Multiple dependent claim, if not paid
109	84	209	42	* Reissue independent claims over original patent
110	18	210	9	*Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$)**0.00**

\*\*OR NUMBER PREVIOUSLY PAID, IF GREATER THAN STANDARD ALLOWANCE.  
\*For Reissues, see above

**SUBMITTED BY**

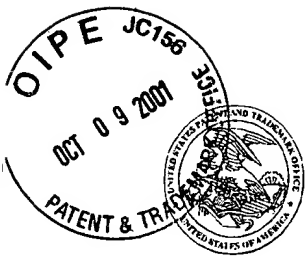
Name (Print/Type)	Attorney	Registration No.	39,427	Telephone	847-538-5855
Signature	Lolita E. Williams			Date	October 2, 2001

**FEE CALCULATION (continued)**

Large Entity		Small Entity		Fee Description	
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
105	130	205	65	Surcharge - late filing fee or oath	\$130
127	50	227	25	Surcharge - late Provisional filing	
139	130	139	130	Non-English specification	
147	2520	147	2520	For filing a request for ex parte Reexamination	
112	920*	112	920*	Requesting publication of SIR prior to Examiner action	
113	1840*	113	1840*	Requesting publication of SIR after Examiner action	
115	110	215	55	Extension for reply within first month	
116	400	216	200	Extension for reply within second month	
117	920	217	460	Extension for reply within third month	
118	1440	218	720	Extension for reply within fourth month	
128	1960	228	980	Extension for reply within fifth month	
119	320	219	160	Notice of Appeal	
120	320	220	160	Filing a brief in support of an appeal	
121	280	221	140	Request for oral hearing	
138	1510	138	1510	Petition to institute a public use proceeding	
140	110	240	55	Petition to revive - unavoidable	
141	1280	241	640	Petition to revive - unintentional	
142	1280	242	640	Utility issue fee (or reissue)	
143	460	243	230	Design issue fee	
144	620	244	310	Plant issue fee	
122	130	122	130	Petitions to the Commissioner	
123	50	123	50	Processing fee under 37 CFR 1.17(q)	
126	180	126	180	Submission of IDS	
581	40	581	40	Recording each patent assignment per property (times number of properties)	\$40
146	740	246	370	Filing a submission after final rejection (37 CFR § 1.129(a))	
149	740	249	370	For each additional invention to be examined (37 CFR § 1.129(b))	
179	740	279	370	Request for Continued Examination (RCE)	
169	900	169	900	Request for expedited examination of a design application	
Other fee (specify)					

\* Reduced by Basic Filing Fee paid SUBTOTAL (3) (\$)**170.00**

**Complete (if applicable)**



## UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS  
UNITED STATES PATENT AND TRADEMARK OFFICE  
WASHINGTON, D.C. 20231  
www.uspto.gov

APPLICATION NUMBER	FILING/RECEIPT DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
09/933,365	08/20/2001	Colin D. Frank	CE08239R

22917  
MOTOROLA, INC.  
1303 EAST ALGONQUIN ROAD  
IL01/3RD  
SCHAUMBURG, IL 60196

CONFIRMATION NO. 7134

## FORMALITIES LETTER



\*OC000000006589252\*

Date Mailed: 09/21/2001

## NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

FILED UNDER 37 CFR 1.53(b)

*Filing Date Granted*

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given **TWO MONTHS** from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The oath or declaration is unsigned.
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(e) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.
- **The balance due by applicant is \$ 130.**

*A copy of this notice **MUST** be returned with the reply.*

Customer Service Center  
Initial Patent Examination Division (703) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE

10/12/2001 MBERHE 00000034 134772 09933365

01 FC:105 130.00 CH